Firm Name

Signature

Date

Printed name

VOLPE AND KOENIG, P.C.

7001

Robert D. Leonard

Orc

PTO/SB/21 (09-04) Approved for use through 07/31/2006.
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE perwork Reduction Act of 1995, no persons are required to respond ection of information unless it displays a valid OMB control number Patent Number 7.106.780 Issue Date **TRANSMITTAL** September 12, 2006 First Named Inventor FORM Li et al. Application Number 10/725,788 Filing Date December 2, 2003 (to be used for all correspondence after initial filing) Attorney Docket Number I-2-0480.1US Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC X Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final **Provisional Application** Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Request for Certificate of Request for Refund Express Abandonment Request Correction and CD, Number of CD(s) Information Disclosure Statement Form PTO/SB/44 Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts of Correction under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

	vec nov	07,201				
	CERTIFICATE OF T	RANSMISSION/MAILING	\			
	an envelope addressed to: Certificate of Corre	e USPTO or deposited with the United States Postal Service with sufficient ctions Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2231	13-			
Signature	Mohil lus					
Typed or printed name	Robert D. Leonard	Date 19 OFC 20010	_			

Reg. No. 57 204

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT** of:

Li et al.

Patent No.:

7,106,780

Issued:

September 12, 2006

Appln. No.:

10/725,788

Filed:

December 2, 2003

For: RAKE-BASED CDMA RECEIVERS FOR

MULTIPLE RECEIVER ANTENNAS

Our File:

I-2-0480.1US

Date:

December 19, 2006

REQUEST FOR CERTIFICATE OF CORRECTION

Certificate of Corrections Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 7,106,.780. Correction of the following errors is requested.

IN THE DRAWINGS

At FIG. 4, after element #405, arrowed line should be tagged $\frac{1}{N} \sum_{k=1}^{N} h(k)h(k)$ H and

after element #415, arrowed line should be tagged $\frac{1}{N} \sum_{k=1}^{N} d(k)d(k)$ _H.

Patentee: Li et al. Patent No.: 7,106,780

IN THE SPECIFICATION

At column 2, line 15, after the words "components and", delete "accross" and insert therefor --across--.

At column 3, line 14, before the word "Thus," delete " $h_{2,2},...,h_{M,1},M,2,...,h_{M,L}$]T" and insert therefor -- $h_{2,2},...,h_{M,1},h_{M,2},...,h_{M,L}$]T --.

IN THE CLAIMS

At claim 3, column 5, line 13, after the words "each Rake", delete "finaer" and insert therefor --finger--.

At claim 4, column 5, line 36, after the word "each", insert -- Rake--.

At claim 10, column 6, line 53, after the word "each", insert -- Rake--.

At claim 16, column 8, line 4, after the word "each", insert --Rake--.

Patentee: Li et al. Patent No.: 7,106,780

REMARKS

Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44.

For the Examiner's convenience, a copy of the initialed form PTO-1449 showing the references considered by the Examiner but not on the face page of the printed patent is provided.

Since at least one of the errors was caused by Applicants, please charge the surcharge fee of \$100.00 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Li et al.

Robert D. Leonard

Registration No. 57,204

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

RDL/dcb

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page _ 1 _ of _ 2

PATENT NO.

: 7,106,780

APPLICATION NO.: 10/725,788

ISSUE DATE

: Septembr 12, 2006

INVENTOR(S)

: Li et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE DRAWINGS

At FIG. 4, after element #405, arrowed line should be tagged $\frac{1}{N} \sum_{k=1}^{N} h(k)h(k)^{H}$ and after element

#415, arrowed line should be tagged $\frac{1}{N} \sum_{i=1}^{N} d(k)d(k)^{H}$.

IN THE SPECIFICATION

At column 2, line 15, after the words "components and", delete "accross" and insert therefor --across--.

At column 3, line 14, before the word "Thus," delete $[h_{2,2},...,h_{M,1},h_{M,2},...,h_{M,L}]^T$ " and insert therefor -- $[h_{2,2},...,h_{M,1},h_{M,2},...,h_{M,L}]^T$ ---

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO.

* * * * * * *

: 7,106,780

APPLICATION NO.: 10/725,788

ISSUE DATE

: Septembr 12, 2006

INVENTOR(S)

: Li et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE CLAIMS

At claim 3, column 5, line 13, after the words "each Rake", delete "finaer" and insert therefor --finger--.

At claim 4, column 5, line 36, after the word "each", insert -- Rake--.

At claim 10, column 6, line 53, after the word "each", insert -- Rake--.

At claim 16, column 8, line 4, after the word "each", insert -- Rake--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JAN = 8 2007

Under De Paperwork Reducti	on Act of 1995	5 no persons are requ	uired to re	U.S. Pate	nt and Trad	proved for us emark Office nation unless	; U.S. DEPA	RTMENT OF COMMERCE
C. VET		Complete if Known						
ees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).			Application Number 10/725			· · · · · · · · · · · · · · · · · · ·		
FEE TRANSMITTAL		Filing Date		December 2, 2003				
For FY 2006			First Named In	nventor [Li et al.			
		0 07 050 10		Examiner Nam	ne ,	Jean B. Corrielus		
Applicant claims small	entity status	s. See 37 CFR 1.2	./	Art Unit		2611		
TOTAL AMOUNT OF PAY	MENT (\$)	100.00		Attorney Dock	et No.	l-2-0480.1	US	
METHOD OF PAYMEN	T (check al	I that apply)						
Check Credit (Card	Money Order	Non	e Other	(please ide	ntifv):		
X Deposit Account D		-			_		gital Comm	unications Corporation
For the above-identi				•				
Charge fee(s)	indicated be	elow		Char	rge fee(s)	indicated be	elow, exce	pt for the filing fee
Charge any a	dditional fee	(s) or underpayme	nts of fe	e(s) X Cred	dit anv ove	rpayments		
under 37 CFF WARNING: Information on this information and authorization	s form may be	ecome public. Credi	t card inf				form. Prov	ide credit card
FEE CALCULATION (A			upon fi	ling or may be	e subject	to a sur	charge.)	
1. BASIC FILING, SEAF								······································
	FILING	FEES		CH FEES	EXAM	INATION		
Application Type	Fee (\$)	Small Entity Fee (\$)	Fee (\$	Small Entity Fee (\$)	Fee	Small E (\$) Fee		Fees Paid (\$)
Utility	300	150	500	250	200			
Design	200	100	100	50	130	65	;	
Plant	200	100	300	150	160	80)	
Reissue	300	150	500	250	600	300)	
Provisional	200	100	0	0	0	0)	
2. EXCESS CLAIM FEESSmall EntityFee DescriptionFee (\$)Fee (\$)Each claim over 20 (including Reissues)5025Each independent claim over 3 (including Reissues)200100								
Multiple dependent c		- (4)	_	D : 1 (A)			360	180
Total Claims	Extra Clair	<u>ns Fee (\$)</u> x	_	<u>Paid (\$)</u> 0			itipie Depe ee (\$)	endent Claims Fee Paid (\$)
HP = highest number of total	I claims paid fo	or, if greater than 20.				<u></u>	33 141	100.00
Indep. Claims	Extra Clair	<u>ns</u> <u>Fee (\$)</u> x	Fee	Paid (\$) 0				
HP = highest number of inde	pendent claims		nan 3.					
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer								
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50								
sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = / 50 = (round up to a whole number) x =								
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount)								
Other (e.g., late filing surcharge): Request for Certificate of Corrections								
SUBMITTED BY								
Signature ///	1/1			Registration No.	57,204	J-	Telephone	215-568-6400
g //ww	W IMC	7 1)		(Attorney/Agent)	37,204		•	

SUBMITTED BY			
Signature	Mulul lund	Registration No. (Attorney/Agent) 57,204	Telephone 215-568-6400
Name (Print/Type)	Robert D. Leonard		Date 19 DEC 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.